WHAT IS CLAIMED IS:

1. A concrete mixing truck for transporting concrete from one location to another comprising:

a chassis including: a frame, a first power source coupled to the frame, wheels coupled to the frame, and a first drivetrain coupling the first power source and the wheels;

a second drivetrain coupled to a second power source; and

a mixing drum coupled to the frame and to the second drivetrain, the drum comprising:

a wall defining a first end of the drum and a second end of the drum;

a drive ring coupled to the first end of the drum and comprising:

a hub operatively coupled to the second drivetrain; and

a plurality of extensions extending outwardly from the hub into the wall of the drum, at least one of the extensions including an aperture extending therethrough;

wherein rotation of the hub by the second drivetrain causes rotation of the drum.

2. The concrete mixing truck of claim 1, wherein the first power source and the second power source are the same power source.

3. The concrete mixing truck of claim 1, wherein the wall includes first layer and a second layer exterior to the first layer.

4. The concrete mixing truck of claim 3, wherein the extensions extend into the second layer of the wall.

5. The concrete mixing truck of claim 4, wherein the first layer is made from an elastomeric material.

6. The concrete mixing truck of claim 5, wherein the second layer is made from a reinforced composite material including fibers.

7. The concrete mixing truck of claim 6, wherein the aperture is configured to allow resin used in the construction of the second layer of the drum to infiltrate the aperture.

8. The concrete mixing truck of claim 7, wherein the fiber in the second layer extends between the extensions.

9. The concrete mixing truck of claim 8, wherein the hub is substantially cylindrical.

10. The concrete mixing truck of claim 9, wherein the extensions extend radially outward from the hub.

11. The concrete mixing truck of claim 10, wherein the extensions are spaced apart around the hub.

12. The concrete mixing truck of claim 1, wherein the extensions are triangular.

13. The concrete mixing truck of claim 1, wherein the extensions are rectangular.

14. The concrete mixing truck of claim 1, wherein the drive ring is integrally formed as a single unitary body.

15. The concrete mixing truck of claim 14, wherein drive ring is formed from a cast material.

16. A composite, heavy duty rotary concrete mixing drum for coupling to a vehicle having a drivetrain for rotating the drum, the drum comprising:

a wall defining a first end of the drum and a second end of the drum;

a drive ring coupled to the first end of the drum and comprising:

a hub operatively coupled to the drivetrain; and

a plurality of extensions extending outwardly from the hub into the wall of the drum, at least one of the extensions including an aperture extending therethrough;

wherein rotation of the hub by the second drivetrain causes rotation of the drum.

17. The concrete mixing truck of claim 16, wherein the wall includes a first layer and a second layer.

18. The concrete mixing truck of claim 17, wherein the extensions extend into the second layer of the wall.

19. The concrete mixing truck of claim 18, wherein the first layer is made from an elastomeric material.

20. The concrete mixing truck of claim 19, wherein the second layer is made from a fiber reinforced composite material.

21. The concrete mixing truck of claim 20, wherein the aperture is configured to allow resin used in the construction of the second layer of the drum to infiltrate the aperture.

22. The concrete mixing truck of claim 21, wherein the fiber in the second layer extends between the extensions.

23. The concrete mixing truck of claim 22, wherein the hub is substantially cylindrical.

24. The concrete mixing truck of claim 23, wherein the extensions extend radially outward from the hub.

25. The concrete mixing truck of claim 24, wherein the extensions are spaced apart around the hub.

26. The concrete mixing truck of claim 16, wherein the extensions are triangular.

27. The concrete mixing truck of claim 16, wherein the extensions are rectangular.

28. The concrete mixing truck of claim 16, wherein the drive ring is formed from a cast material.

29. The concrete mixing truck of claim 28, wherein the cast material is off-tempered ductile iron.

30. A composite, heavy duty rotary concrete mixing drum for coupling to a vehicle having a drivetrain for rotating the drum, the drum comprising:

a wall defining a first end of the drum and a second end of the drum;

a drive ring integrally formed as a single unitary body from a cast material, wherein the drive ring is coupled to the first end of the drum and comprising:

a hub operatively coupled to the drivetrain; and

a plurality of extensions extending outwardly from the hub into the wall of the drum;

wherein rotation of the hub by the second drivetrain causes rotation of the drum.

31. The concrete mixing truck of claim 30, wherein at least one of the extensions includes a aperture extending therethrough.

32. The concrete mixing truck of claim 30, wherein the wall includes an first layer and a second layer.

33. The concrete mixing truck of claim 32, wherein the extensions extend into the second layer of the wall.

34. The concrete mixing truck of claim 33, wherein the first layer is made from an elastomeric material.

35. The concrete mixing truck of claim 34, wherein the second layer is made from a fiber reinforced composite material.

36. The concrete mixing truck of claim 35, wherein the aperture is configured to allow resin used in the construction of the second layer of the drum to infiltrate the aperture.

37. The concrete mixing truck of claim 36, wherein the fiber in the second layer extends between the extensions.

38. The concrete mixing truck of claim 37, wherein the hub is substantially cylindrical.

39. The concrete mixing truck of claim 38, wherein the extensions extend radially outward from the hub.

40. The concrete mixing truck of claim 39, wherein the extensions are spaced apart around the hub.

41. The concrete mixing truck of claim 30, wherein the extensions are triangular.

42. The concrete mixing truck of claim 30, wherein the extensions are rectangular.

43. The concrete mixing truck of claim 30, wherein the cast material is off-tempered ductile iron.

44. A drive ring for coupling to a heavy duty rotary concrete mixing drum capable of attachment to a vehicle having a drivetrain for rotating the drum, the drive ring comprising:

a hub configured to be operatively coupled to the drivetrain of the vehicle; and

a plurality of projections extending outwardly from the hub and configured to engage the drum, at least one of the projections including an aperture.

45. The drive ring of claim 44, wherein the aperture is configured to allow resin used in the construction of the drum to infiltrate the aperture.

46. The drive ring of claim 44, wherein the projections are configured to allow fiber used in the construction of the drum to extend between the projections.

47. The drive ring of claim 44, wherein the hub is substantially cylindrical.

48. The drive ring of claim 47, wherein the projections extend radially outward from the hub.

49. The drive ring of claim 44, wherein the distance between each of the projections around the hub is less that 6 inches.

50. The drive ring of claim 44, wherein the plurality of projections includes 12 projections.

51. The drive ring of claim 48, wherein the projections are spaced apart around the periphery of the hub.

52. The drive ring of claim 44, wherein the projections are triangular.

53. The drive ring of claim 44, wherein the projections are rectangular.

54. The drive ring of claim 44, wherein the drive ring is integrally formed as a single unitary body from a cast material.

55. The drive ring of claim 54, wherein the cast material is off-tempered ductile iron.

56. The drive ring of claim 44, wherein the extensions are configured to angle toward the mixing drum.